

## Exhibit 300: Capital Asset Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2009-06-30  
**Date of Last Change to Activities:** 2012-08-22  
**Investment Auto Submission Date:** 2012-02-29  
**Date of Last Investment Detail Update:** 2012-02-24  
**Date of Last Exhibit 300A Update:** 2012-08-22  
**Date of Last Revision:** 2012-08-22

**Agency:** 024 - Department of Homeland Security      **Bureau:** 58 - Customs and Border Protection

**Investment Part Code:** 01

**Investment Category:** 00 - Agency Investments

**1. Name of this Investment:** CBP - Automated Commercial Environment / International Trade Data System (ACE / ITDS)

**2. Unique Investment Identifier (Ull):** 024-000005053

#### Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

ACE is being developed to support Customs and Border Protection (CBP), the primary stakeholder, in achieving the mission of protecting the American public against terrorists and the instruments of terror and enforcing the laws of the United States while fostering our Nation's economic security through the facilitation of lawful international trade and travel. The key technology driver of these activities will be the development and deployment of ACE. Specifically, ACE will form the one system that provides a single window for CBP to interact, manage, and oversee the import and export data, custodial revenue management, and enforcement systems to provide end-to-end visibility of the entire trade cycle. In addition, ACE will reduce Government and private sector costs through the elimination of unnecessary paperwork and enable electronic processing of manifests, entry, and other trade documentation. With more automated tools and information CBP will be able to decide, before a shipment reaches U.S. borders, what cargo to target for further investigative action because it poses a potential risk, and what cargo to expedite because it complies with U.S. laws. The implementation of ACE will also significantly aid the other two main stakeholders, Participating Government Agencies (PGAs) and the trade community. The ACE Secure Data Portal provides trade users with near real-time access to data and more than 150 standard and customizable management reports. ACE's periodic payment capability allows duty

payment on the 15th working day of the next month, resulting in significant cash flow benefits for the trade community. The Electronic Manifest (e-Manifest): Trucks capability (Release 4) continues to reduce truck-processing times by 26 percent compared to paper-based manifests. The Entry Summary, Accounts, and Revenue (ESAR) capability provides ACE with enhanced account management functions; a single source for master data; and an integrated account-based, financial, and entry summary processing system. Working closely with PGAs and the trade community, CBP is modernizing their systems to enhance interagency information sharing and analysis; replace and/or supplement existing systems taxed by increasing demands; and comply with legislation requiring greater agency efficiency and effectiveness to better serve the public.

**2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

ACE investments will close the following performance gaps for CBP, PGA and the Trade. Interagency information sharing and analysis, existing systems taxed by increasing demands, and Legislation requiring greater agency efficiency and effectiveness to better serve the public. Prior to ACE, trade documents were all paper-based and information was manually added to cargo systems for processing. This meant that the similar information was sent to each federal agency and manually reviewed. With the deployment of the completed ACE releases, today's situation is different. The cargo imported by truck are screened and targeted using risk management principles, arriving shipments are electronically processed through a single window, and revenue is collected and tracked by CBP, PGA, and Trade. ACE/ITDS is currently undergoing a significant re-planning effort to redefine the future of the program. ACE/ITDS may identify other FY13 goals, but requirements have not been fully defined at this time (i.e. Commissioner Priorities, legislative mandates, smaller projects defined by CBP or ITDS). Currently it does not appear that ACE/ITDS will receive the additional funding necessary to fully develop Cargo Release, Exports, Air Manifest, ACE Technology Refresh, or ACS Modernization. These future proposed components will continue to move ACE/ITDS towards the goal of being the single window for all cargo processing. In addition, the projected funding level beginning in FY13 eliminates ACE's ability to develop any additional functionality. At this time, the program is evaluating requirements and developing an Analysis of Alternatives to determine possible development options for Cargo Release. ACE expects to request additional funding as part of the FY14-18 CBP RAP Process in order to develop additional functionality. The Cargo Release functionality of ACE will remove the performance gap of manually processing cargo release by the electronic processing of cargo and border selectivity transactions, bill of lading correction process, entry-status query capability, the override functions, and cargo release status notifications that are returned to the Trade. The mission delivery benefits include improved risk assessment, streamlined processing, and reducing paper form collection. PGAs will be able to conduct cargo admissibility, resolve holds and issues, and conduct enforcement actions. Additional data elements will also be collected on behalf of a number of PGAs.

**3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

PGA Message Set: 5/2011, PGA message set was accepted by ITDS Board of Directors. It adds data elements to ACE so that trade data PGAs collect can be captured. PSC: 6/2011, Post Summary Corrections (PSC) deployed. The Trade submits ACE entry summaries changes electronically. Cargo Release: 6/2011, operational requirements approved. It updates cargo release and border selectivity. ISF: 7/2011, Importer Security Filing (ISF) was deployed. Low volume importers file ISF electronically. eManifest: Rail and Sea (M1): 8/2011, PRR approved. It links rail and sea import shipment manifest and entry data at the bill of lading or container level. DIS: 8/2011, Document Imaging System (DIS) deployed. It allows the Trade to electronically submits documents to CBP and PGAs through a single window. PGA Interoperability: 8/2011, The first web service is available. It uses web services to flow data between CBP and PGA. This allows PGA to continue their plans for using ITDS.

**4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

FY12 - M1: 1/2012, Operational Readiness Review will be complete. FY12 - Cargo Release: 3Q FY12, functional requirements, acquisition plan, and ADE 2a/2b will complete approval process. FY12/13 - Continue to Operate and Maintain existing ACE Functionality.

**5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2010-04-11

## Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$134.5	\$0.0	\$0.0	\$0.0
DME (Excluding Planning) Costs:	\$2,144.4	\$15.8	\$0.0	\$0.0
DME (Including Planning) Govt. FTEs:	\$36.4	\$1.8	\$0.0	\$0.0
Sub-Total DME (Including Govt. FTE):	\$2,315.3	\$17.6	0	0
O & M Costs:	\$561.2	\$123.5	\$131.4	\$131.8
O & M Govt. FTEs:	\$11.9	\$6.7	\$8.6	\$9.0
Sub-Total O & M Costs (Including Govt. FTE):	\$573.1	\$130.2	\$140.0	\$140.8
Total Cost (Including Govt. FTE):	\$2,888.4	\$147.8	\$140.0	\$140.8
Total Govt. FTE costs:	\$48.3	\$8.5	\$8.6	\$9.0
# of FTE rep by costs:	124	62	62	62
Total change from prior year final President's Budget (\$)		\$0.0	\$-29.8	
Total change from prior year final President's Budget (%)		0.00%	-18.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

## Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	7014	<a href="#">HSBP1010J00336</a>	HSBP1006A01067	7014							
Awarded	7014	<a href="#">HSBP1011J00322</a>	Tc2001025	7014							
Awarded	7014	<a href="#">HSBP1011J00329</a>	Tc2001025	7014							
Awarded	7014	<a href="#">HSBP1012F00087</a>	GS35F4880H	7014							
Awarded	7014	HSBP1012P00209									

**2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:**

The Robbins-Gioia, LLC provides Program Management Support to the ACE Program. The Robbins-Gioia contract is a firm fixed price incentive performance based task order which does not require EVM. To ensure performance, the contractor is tracked against five performance measures and is required to report achievement against. The five performance measures are; on-time deliverables, knowledge base retention, average staff retention, deliverable quality, and a quality assurance surveillance plan. The quality surveillance plan focuses on the quality of program management support delivered to the Modernization Program and OIT organizations. It measures, by a COTR conducted performance quality survey, the quality of support delivered in all critical areas of program support. The survey is conducted on a semi-annual basis to ensure quality support through the PoP. Advanced Engineering Design INC. is contracted to provide a level of support on an "as needed" basis and their contract is product oriented. EVM and Performance Based requirements will be considered where appropriate for all future contract awards. The PM will work with the Contracting Officer to ensure future contracts require EVM/Performance Based where applicable.

## Exhibit 300B: Performance Measurement Report

### Section A: General Information

**Date of Last Change to Activities:** 2012-08-22

### Section B: Project Execution Data

**Table II.B.1 Projects**

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
1	M1 - e-Manifest Rail and Sea	DME - M1 will improve cargo security, expedite cargo processing and trade facilitation, provide faster and easier access to data, improve communications, and offer greater flexibility and time savings.			
2	Cargo Control and Release Planning/ADE 2a/2b Approval Phase	Planning - Define Cargo Control and Release requirements and documentation in order to receive ADE-2a/2b authority to begin development (ADE-2a/2b expected 3Q FY12).			
4	Task Order PROD	Maintenance - TO PROD provides maintenance for the ACE production application and IT services for CSPO application development projects (M1).			
5	Task Order ECOM	Maintenance - Provide the support needed to meet ACE Cargo Program release milestones while achieving expected availability, quality, security, reliability, maintainability, interoperability, flexibility, and			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
		extensibility across all areas of ACE. Achieve availability and performance levels for the production and support environments so as not to impact the ACE schedule or end users.			
6	ACE Infrastructure Support	All of the ACE Infrastructure Support that is handled by EDME. These include Bill of Materials, HW/SW Maintenance, and Disaster Recovery.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
1	M1 - e-Manifest Rail and Sea							
2	Cargo Control and Release Planning/ADE 2a/2b Approval Phase							
4	Task Order PROD							
5	Task Order ECOM							
6	ACE Infrastructure Support							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
1	Develop System, Code, and Infrastructure	Develop code and documentation	2010-11-12	2010-11-12	2010-11-12	72	0	0.00%
1	Conduct Unit / SWIT	Create test cases,	2010-11-12	2010-11-12	2010-11-12	72	0	0.00%



Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
	Testing	execute test and record results						
1	Perform System Integration Testing (SIT)	Create test cases, inspect test cases, execute tests, correct issues, and publish results	2011-04-12	2011-04-12	2011-04-25	116	-13	-11.21%
1	Finalize UAT Test Plan	Finalize UAT Test Plan	2011-04-13	2011-04-13	2011-04-26	57	-13	-22.81%
1	Update UAT Cases / Scenarios	Update UAT Cases / Scenarios	2011-04-13	2011-04-13	2011-04-26	57	-13	-22.81%
1	Prepare/Update Trade Test Cases	Prepare/Update Trade Test Cases Prepare/Update Trade Test Cases	2011-04-19	2011-04-19	2011-04-06	103	13	12.62%
1	Prepare Draft User Documentation and Training Materials	Another task order creates the draft training materials. M1 need date was 5/3/11 and thus only the completion date is included.	2011-05-03	2011-05-03	2011-05-03	137	0	0.00%
1	Update Project Documentation	System test plan, PMP, Deployment Plan, TEMP, SIP etc. and conduct inspections and reviews	2011-05-05	2011-05-05	2011-05-10	139	-5	-3.60%
1	Update Project Deliverables	Inspect and review deliverables per M1 Performance Work Statement deliverable table	2011-05-05	2011-05-05	2011-05-10	139	-5	-3.60%
1	Post SIT PTR Fixes	Post SIT PTR Fixes	2011-05-10	2011-05-10	2011-05-10	18	0	0.00%
1	Conduct UAT Test	Perform UAT, document issues, publish results	2011-05-11	2011-05-11	2011-05-23	27	-12	-44.44%
1	Conduct TRR Preparation Activities	Create presentation, conduct workshop, document action	2011-05-11	2011-05-11	2011-05-11	15	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
		items and minutes						
1	Conduct Test Readiness Review (TRR)	TRR - Verification that system and software development are complete, system integration testing is complete, user requirements have been satisfied, and acceptance test documentation has been adequately prepared.	2011-05-12	2011-05-12	2011-05-12	1	0	0.00%
1	Resolve Test Problems	Resolve Test Problems	2011-05-24	2011-05-24	2011-07-11	33	-48	-145.45%
1	Perform final regression testing	Of M1 code	2011-06-13	2011-07-26	2011-07-26	32	-43	-134.38%
1	Perform final pilot phased testing	Perform final pilot phased testing	2011-06-28	2011-07-27	2011-07-27	46	-29	-63.04%
1	Perform Trade Test	Perform Trade Test, document issues, publish results	2011-07-01	2011-07-01	2011-07-01	60	0	0.00%
1	Perform Mock Cutover testing	Perform Mock Cutover testing	2011-07-12	2011-07-12	2011-07-12	60	0	0.00%
1	Execute performance testing	Execute performance testing	2011-08-02	2011-08-16	2011-08-16	228	-14	-6.14%
1	Perform final regression testing	Of current production by the cargo test team	2011-08-09	2011-08-09	2011-08-09	27	0	0.00%
1	Finalize Project Deliverables	Inspect and review deliverables per M1 Performance Work Statement deliverable table	2011-08-16	2011-08-16	2011-08-16	109	0	0.00%
1	Prepare Production Move Request	Production notice and change request	2011-08-16	2011-08-16	2011-08-16	11	0	0.00%
1	Baseline the System	Baseline the System	2011-08-16	2011-08-16	2011-08-16	11	0	0.00%
1	Conduct AAA at PRR Analysis	Conduct AAA at PRR Analysis	2011-08-16	2011-08-16	2011-08-16	11	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
1	Conduct PRR Preparation Activities	Create presentation, conduct workshop, document action items and minutes	2011-08-16	2011-08-16	2011-08-16	16	0	0.00%
1	Develop or Update User Documentation and Training	Final training materials	2011-08-17	2011-09-05	2011-08-17	78	0	0.00%
1	Perform Operational Test & Evaluation	Operational Test Execution & Report	2011-12-26	2012-03-23	2012-03-28	67	-93	-138.81%
1	Perform Training	Perform Training	2011-12-28	2012-02-29	2012-02-29	128	-63	-49.22%
1	Perform Pilot Testing	Perform Pilot Testing - Activities during this transition stage include implementing the system into the production environment, conducting training, transitioning the system to the pilot users in an organized fashion and performing operational test and evaluation.	2011-12-28	2012-03-28	2012-03-28	128	-91	-71.09%
1	Finalize Project Plans and Documents	Inspect and review deliverables per M1 Performance Work Statement deliverable	2012-01-04	2012-04-05	2012-04-05	153	-92	-60.13%
1	Conduct ORR Preparation Activities	Create presentation, conduct workshop, document action items and minutes	2012-01-04	2012-04-10	2012-04-10	20	-97	-485.00%
2	Validate ACE Mission Needs (MNS) Statement	Validate ACE Mission Needs Statement (MNS) for ACE Program	2012-04-17	2012-04-17	2012-04-30	32	-13	-40.63%
2	Update ACE Integrated Logistics	Work associated with the update of the ILSP	2012-04-18	2012-04-20	2012-04-04	47	14	29.79%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
Plan (ILSP)								
4	CLIN 4 - PAM Trouble Tickets, Problem Reports, and Change Requests	Provide services for ACE systems that includes Production Support (L2 and L3, Problem Investigation, and PTR Administration), Capacity Planning, PR Analysis, PTR Support, CR Support, Configuration Management, Quality Assurance, and SAT Support.	2012-04-29	2012-04-29	2012-04-29	359	0	0.00%
4	CLIN 32 - FPM Allocation	The scope of the required program management shall include planning, managing, and reporting at program, project, and task levels where specified. In addition, consistent technical and program management execution and coordination among the various approved delivery/task orders.	2012-04-29	2012-04-29	2012-04-29	359	0	0.00%
4	CLIN 33 - CTOD Indirect Costs	The scope of the required program management shall include planning, managing, and reporting at program, project, and task levels where specified. In addition, consistent technical and program management	2012-04-29	2012-04-29	2012-04-29	359	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
		execution and coordination among the various approved delivery/task orders.						
4	CLIN 1 - Task Order Management	Project Management: Activities to include cost, schedule, scope, quality and risk management.	2012-04-29	2012-04-29	2012-04-29	359	0	0.00%
4	CLIN 2 - Cargo IT Support Services	The CISS scope includes anticipating and providing the support needed to meet ACE Cargo Program release milestones while ensuring availability, quality, security, reliability, maintainability, interoperability, and extensibility across all areas of ACE. This scope includes: Configuration Management, Architecture and Engineering, System and Software Engineering.	2012-04-29	2012-04-29	2012-04-29	359	0	0.00%
4	CLIN 3 - ACE PAM Support Services	Provides for direct support for the ACE Production System. This scope includes: SAT Support, PAM Program Level Activities, Immediate Response, and EDI Support.	2012-04-29	2012-04-29	2012-04-29	359	0	0.00%
5	CLIN 1 - ECOM Management	Activities to ensure project cost, schedule, scope, quality, resources, and risk	2012-04-30	2012-04-30	2012-04-30	365	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
		control are effectively managed						
5	CLIN 21.1 - ECOM CISS	Cargo IT Services & Support (CISS) scope includes anticipating and providing the support needed to meet ACE Cargo Program release milestones while ensuring availability, quality, security, reliability, maintainability, interoperability, and extensibility across all areas of ACE.	2012-04-30	2012-04-30	2012-04-30	365	0	0.00%
5	CLIN 21.7 - ECOM CISS - ACE Enviroments Consolidation	O&M services provide direct support for the ACE Production System, including Data Center Operations support, Back Office Operations, Computer Operations, Situation Management & Control, and Environments Coordination (including Disaster Recovery Planning).	2012-04-30	2012-04-30	2012-04-30	365	0	0.00%
5	CLIN 22 - ECOM Operations & Management (O&M)	O&M services provide direct support for the ACE Production System, including Data Center Operations support, Back Office Operations, Computer Operations, Situation Management & Control, and	2012-04-30	2012-04-30	2012-04-30	365	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
		Environments Coordination (including Disaster Recovery Planning).						
5	CLIN 32 - Allocation-FPM	Indirect cost pool allocation for FPM.	2012-04-30	2012-04-30	2012-04-30	365	0	0.00%
2	Update ACE Concept of Operations (CONOPS)	Update ACE Concept of Operations (CONOPS)	2012-05-04	2012-04-27	2012-05-11	49	-7	-14.29%
2	Update ACE Operation Requirement Document (ORD)	Work associated with the update of the ACE ORD	2012-05-04	2012-05-07	2012-05-16	46	-12	-26.09%
2	Updated ACE Life Cycle Cost Estimate (LCCE)	Update ACE LCCE	2012-05-10	2012-05-10	2012-05-04	52	6	11.54%
2	Update ACE Acquisition Plan	Work associated with the update of the ACE Acquisition Plan	2012-05-23	2012-08-10		40	-100	-250.00%
2	Updated ACE Acquisition Program Baseline/Program Plan	Work associated with the update of the ACE APB and Program Plan	2012-06-06	2012-08-10		64	-86	-134.38%
2	DHS Review of ACE Documentation	DHS review of ACE documentation for ADE-2A Acquisition Decision Event	2012-07-23	2012-10-19		97	-88	-90.72%
6	Bill of Materials	All the BoM Purchases for ACE Infrastructure Support - Managed by EDME	2012-09-30	2012-09-30		365	0	0.00%
6	Software/Hardware Maintenance	Maintenance costs associated with purchased HW and SW - Managed by EDME	2012-09-30	2012-09-30		365	0	0.00%

## Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Percent of CBP workforce using ACE functionality to manage trade information	Percent	Mission and Business Results - Services for Citizens	Under target	66.000000	70.000000	68.000000	75.000000	Monthly
Total number of trade community ACE accounts	Number	Customer Results - Service Coverage	Under target	18165.000000	21000.000000	18924.000000	22000.000000	Monthly
Percent of total duties and fees paid using Periodic Monthly Statement	Percent	Process and Activities - Financial	Under target	58.000000	65.000000	56.000000	70.000000	Monthly
Percent reduction of CBP truck processing time (as measured against ACS baselines established at each Port of Entry)	Percent	Process and Activities - Cycle Time and Timeliness	Over target	25.000000	25.000000	30.100000	25.000000	Quarterly
Percent of required truck manifests that are filed electronically at each Port of Entry	Percent	Technology - Effectiveness	Over target	99.000000	99.000000	99.800000	99.000000	Monthly